WHAT IS CLAIMED IS:

1. A method for preparing a substrate for hybridization, the method comprising:

positioning a porous layer on the substrate; and

collapsing a moat in the porous layer without substantially contacting the porous layer,

wherein the moat is adapted to bound a portion of the porous layer on which an array can be positioned.

- 2. The method of claim 1, wherein the collapsing occurs by the application of heat.
 - 3. The method of claim 1, wherein the porous layer comprises nylon.
 - 4. A method for manufacturing, comprising:

providing a substrate comprising a porous layer, wherein the porous layer is adapted for depositing an array;

providing a pattern dimensioned for a moat, wherein the moat is adapted to bound the array; and

collapsing the moat in the porous layer without substantially contacting the porous layer.

- 5. The method of claim 4, wherein the pattern is heated.
- A method for preparing a hybridization chamber, comprising:

providing a substrate comprising a porous layer with a moat collapsed without substantial contact to the porous layer;

positioning an array on a portion of the porous layer bound by the moat; and

positioning a gasket in the moat to provide a nonporous seal.

7. An apparatus for preparing a hybridization substrate, comprising: a press comprising a die adapted to collapse a moat in the porous layer; a mechanical stop to provide a gap between the die and the porous layer; and a holder comprising a thermal path adapted to collapse the moat in the porous layer,

wherein the gap is adapted to collapse the moat in the porous layer without substantially contacting the porous layer.

- 8. The device of claim 7, wherein the thermal path includes a non-conductive portion.
 - 9. The device of claim 7, further comprising a pivotable base.
- 10. The device of claim 7, wherein the die comprises the shape of a substantially rectangular form.
- 11. The device of claim 7, wherein the die comprises the shape of a substantially elliptical form.
 - 12. A press, comprising:

a die adapted to collapse a moat in a porous layer of a hybridization substrate;

a mechanical stop to provide a gap between the die and the substrate;

a holder comprising a thermal path adapted to collapse the moat in the porous layer,

wherein the gap is adapted to collapse the moat in the porous layer without substantially contacting the porous layer.

- The press of claim 12, wherein the mechanism to provide a gap 13. includes at least one stop-limit pin.
 - 14. A substrate for hybridization, comprising:

a porous layer, wherein the porous layer is adapted for depositing an array; and

a moat in the porous layer, wherein the moat is collapsed without substantial contact to the porous layer.

- 15. The substrate of claim 14, further comprising an array.
- 16. The substrate of claim 15, further comprising a hybridization fluid.
- 17. An apparatus for preparing a substrate for hybridization comprising means for providing a nonporous moat in a porous layer on a substrate, wherein the porous layer is adapted for depositing an array.
- 18. The apparatus of claim 17, further comprising means for spotting the array on the substrate.
- 19. A system for automated preparation of substrates for hybridization comprising:

a first linear actuator to position a press, wherein the press comprises a die with a pattern and mechanical stop, wherein the die is mounted on a second linear actuator; and

a third linear actuator to position a slide holder.

20. The system of claim 19, further comprising a fourth linear actuator to position a spotting head.

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21. The system of claim 19, further comprising a camera to inspect a moat on the substrate.